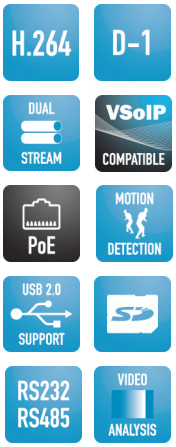
ZN-S1000VE

Single Channel H.264 Video Encoder



The GANZ VSoIP solution is based on a distributed architecture where digitising and encoding happens at the edge. GANZ Single channel H.264 encoders are the preferred choice for customers wanting to migrate from an analogue CCTV system to state of the art IP CCTV in a phased manner. ZN-S1000VE is a H.264 based video encoder best suited in applications requiring conversion of a single analogue video inputs and telemetry to an IP video channel. The ZN-S1000VE allows easy integration of sites with legacy or specialist analogue cameras, providing IP video that can be visualised, recorded and managed using GANZ VSoIP video and alarm management suite.

ZN-S1000VE delivers dual encoding and streaming where two independent streams can be derived with different compression algorithms, bitrates, frame rates and resolutions as standard, providing up to 25/30 frames per second video, while utilising significantly low storage footprints. The units are powered by DC or PoE and provide bi-directional audio and secondary onboard storage options via a SD and USB slot. Basic Video Analytics and digital input/output are included as standard while Advanced Video Analytics are available as an order option.

Key Features

- Dual-stream H.264/MPEG4 video
- Class leading compression
- Multi video resolution settings at up to D1
- Unicast or Multicast
- Multi-Digital Signal Processing
- Bi-direction Audio input and output
- POE
- SD Slot and USB port
- Serial communication port for PTZ controls
- Web Interface for live viewing and configuration
- Onboard Video Analytics
- VSoIP Compatible

V1.01

CBC GROUP

6-8 Garrick Industrial Centre, Irving Way, london NW9 6AQ, England
tel: technical support +44 (0)20 8732 3350 +44 (0)20 8732 3332
fax: +44 (0)20 8202 3387 www.cbceurope.com

ZN-S1000VE

1 Channel Video Encoder

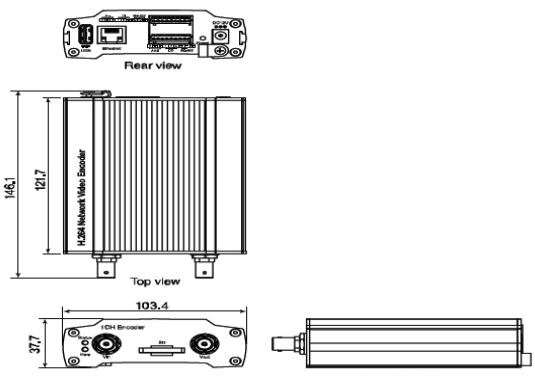
Specifications

Description / Model	ZN-S1000VE
VIDEO	
Input	NTSC/PAL composite video, 75Ohm, 1Vp-p, Standard BNC
Output	NTSC/PAL composite video, 75Ohm, 1Vp-p, Standard BNC
Compression Format	H.264 (ISO14496-10), MPEG-4 (ISO14496-2), MJPEG
Multi Streaming	Dual Stream, Configuarable
Resolution	D1, 4CIF, VGA, CIF, QVGA, QCIF
Compression FPS	25/30 fps@D1
Deinterlacing	Yes, DSP based
Motion Detection	Yes, DSP based
Burnt-in Text (Digital)	Yes, DSP based
Video Bitrates/Bandwidth	32Kbps ~ 6Mbps
Stream Encryption	AES
AUDIO	
Audio Input	Linein, 1.43p-p (Min 1.35Vp-p, Max 1.4 Vp-p) 39 Ohm
Relay Output	Lineout, 46mW Power, 16 Ohm
Compression Format	G.711
FUNCTION	
2 x Digital Input	TTL level 4.5V threshold, Max 50mA
2 x Digital Output	Max 500mA@24VAC or 1A@12VDC
RS-485/422	Yes, terminal block up to 115.2Kbps
RS-232C	Yes, terminal block up to 115.2Kbps
Network	IEEE 802.3 & IETF standard: 10/100 Base-T Ethernet
Time	Embedded Real Time Clock, NTP Client
Protocol	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/UDP, RTP/TCP, SNTP, mDNS, UPnP, SMTP, SOCK, IGMP, DHCP, FTP, DDNS, PPPoE, SSL v2/v3, IEEE 802.1X, SNMP, SSH, and IPv6
Memory Type	USB, SD (MicroSD)

NB. Specification subject to change without notification

ELECTRICAL	
Power Source	12V DC (DC Jack)
Power over Ethernet	Yes (IEEE 802.3af)
Power Consumption	240 mA @ +12V (Approx)
Approvals	All A/C driven sources are U/L approved Certfications: CE/EN/FCC
ENVIRONMENTAL	
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Operating Humidity	Up to 85% RH (Non-condensing)
MECHANICAL	
Dimension	103(W) x 38(H) mm, 141(D) mm
Weight (Approx)	385 g
MANAGEMENT	
Control	Intuitive Web Browser Interface/VSoIP
Video Content Filters (Included as Standard)	Motion Detection, Tamper Detection
High Performance	Advanced Tracking Algorithm, Low False Alarm Rate
Detection Zones	Multi-segment Polygons and Lines
On-screen Display	Real-time Display of Tracking Data and Events
VIDEO CONTENT ANALYSIS (Upgrade)	
Detection Behaviour	Direction, Stopping, Loitering, Entering, Exiting, Appear, and Disappear Filters
3D Behaviour	Perspective Corrected Size and Speed Filters
Statistics	Counting Functions and Other Statistics
IMAGE STABILISATION (Upgrade):	
Electronic Stabilisation	Removes Camera Sway
WARRANTY	
Warranty Period	3 Years

(Unit:mm)



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